1st & final bill

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

67432

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work :- Providing drinking water works in ward No-15 in Dasarahalli Division						
	Estimate Cost :- Detailed Estamation for Establishment of R.O plant in ward No-15 RS 13.00 lakhs.						
	Job Code :- 015-17-000012, P-code -3110						
	A.A No :- GE|DZ|AS|124|16-17, Dt. 14.03.17.						
	T.S No :- EE|DD|TS|134|17-18, Dt. 21.03.17.						
	W.O No :- EE|DO|WO|014|17-18, Dt. 07-08-17.						
	Agency :- KRIDL.						
	Recorded on :-						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No:1	1 Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines & electrical conduits within plain through 1.5m & above in width in ordinary soil after clearing of clods complete as per specifications aty brought from this MB vide page No 67475/1					aty ⇒ 7.65 cum	Carried over
	@DS 188.65/cu						1443.00/-
Item No:2	providing & laying in position plain cement concrete of mix 1:4:8 with OPC Cement @ 180 Kgs, with 40mm & down size graded granite metal coarse aggregates @ 0.85 & fine aggregates @ 0.57 cum machine mixed curing complete as per specifications aty brought from this MB vide page No 67475/1					aty ⇒ 2.07 cum	Carried over

M. A. R. 57 (Rule 116) No. D 67433

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		@DS 4	76.70	cu m			10302.00/-
Item No:3	providing & constructing foundation cement mortar 1:6 granite / trap / basalt Size Stone masonry in Stone hammer dressed in courses Not less than 20cms high bond curing complete as per specifications. aty brought from this MB vide page No 67476					aty ⇒ 4.82 cum	
		@DS 405	8.74	cu m			19579.00/-
							Carried over

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No:4	providing & Constructing Granite / Trap / Basalt Size Stone masonry in basement Cement mortar 1:6 Stone which is dressed in courses not less than 15 cms high bond curing complete as per Specifications.						
18.09.19	L.W	2	4.05	0.45	0.45	1.64 cum	
	S.W	2	2.60	0.45	0.45	1.05 cum	
						2.69 cum	
		@ Rs	4814.52/cm				12967.00/-
Item No:-5	providing & constructing precast concrete Solid blocks with compressive Strength not less than 35 kg/Sqcm with Cement mortar 1:4 masonry with Solid Concrete blocks of Size 40x20x20 cms curing Complete as per Specification						

M. A. R. 57 (Rule 116) No. D 67434
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	L.W	2	3.80		3.00	22.80 Sqm	
	S.W	2	3.00		3.00	18.00 - 11	
	Parapet 03.10.2019	2	3.80		0.40	3.04 - 11	
		2	3.00		0.40	2.40 - 11	
	Steps -	4	3.05		0.15	4.83 - 11	
				Total Qty		48.07 Sqm	
	Deductions						
	Rolling Shutters	1	3.04		2.50	7.60 Sqm	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Ventilators	2	0.90		0.60	1.08 -11	
	Lintels	2	3.80		0.20	1.52 -11	
		2	3.00		0.20	1.20 -11	
						11.40 Sqm	
	Netaty = 48.07 - 11.40					=> 36.67 Sq.m.	
	@ Rs 999.59/Sq.m						36655.00/-

Item No 6 providing & laying in position Reinforced Cement Concrete of design mixe M20 with OPC Cement @ 320 Kgs, with 20mm & down Size graded Granite metal Coarse aggregates @ 0.878 cu.m & fine aggregates @ 0.459 cu.m with Super plastisizer machine mixed Concrete laid in layers not

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Measurement Book

67435

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	excluding 15mm thick white tid including cost of all materials, labour, Hom of machinery during complete as per Specifications.						
	Plinth beam	2	3.80	0.20	0.20	0.30 Cum	
		2	3.00	0.20	0.20	0.24 -11-	
	Lintels	2	3.80	0.20	0.20	0.30 -11-	
		2	3.00	0.20	0.20	0.24 -11-	
						1.08 cum	
	@ Rs 6083.34/cu						6619.00/-

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No 7	providing & removing centering, shuttering, struting, propping etc. & removal of form work for vertical surface such as walls at any thickness, including complete as per specifications.						
	Plinth Beam	4	3.80		0.20	3.04 Sqm.	
		4	3.00		0.20	2.40-11-	
	Lintels	4	3.80		0.20	3.04 -11-	
		4	3.00		0.20	2.40 -11-	
						10.88 Sqm	
	@ Rs	301.04	Sqm				3275.00/-

Checked
16.10.2019

M. A. R. 57 (Rule 116) No. D 67430
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No 8	filling available excavated earth in lieu of foundations upto plinth in layers not exceeding 20cms in depth, consolidating each deposited layer by labour complete as per specifications.						
	50% of the qty vide item No 1				qty :)	3.33 cum	Checked
	@ Rs 127.20/cum						487.00/-
Item No 9	providing & fixing to wall, ceiling & floor exposed/concealed 50mm dia nominal bore with fittings & accessories complete as per specifications	110 m				of requirements	& testing

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		4	4.00			16.00 mts	
		3	3.40			10.20 -14	
						26.20 mts	Carried
		@ Rs	534.24/mts				13997.00/-
	Item No:- 10 providing & fixing 6 mm Bronze multi wall poly Carbonate Sheet for tubular Structure the work including cost of all materials, labour, charges & hire complete as per Specifications						
		1	4.00	3.50		14.00 Sqm	
		@ Rs	2521.74/Sqm				35304.00/-
							Carried

M. A. R. 57 (Rule 116) No. D 67437
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No:- 11 providing & laying in position Reinforced Cement Concrete of design mix M30 with OPC Cement @ 27.20 Kgs, with 12 mm & down Size graded granite metal coarse aggregates @ 0.8865 cum & fine aggregates @ 0.391 cum with Superplasticiser @ 0.225 Ltrs including cost of all materials, labour, Hire of machinery curing complete as per Specifications						
	Chajja	1	3.50	0.75		2.63 Sqm	
		2	1.20	0.75		1.80 -47	
						4.43 Sqm	
	@ Rs	@ Rs	517.40/Sqm				2298.00/-
							Carried

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No 13 providing & fumishing Centering, Shuttering, Strutting, Propping etc. for Chajja's including labour complete as per specifications.						
	Chajjas	1	3.50	0.75		2.63 Sqm	
		2	1.80	0.75		1.80 -11-	
						4.43 Sqm	Measured
		@Rs 278.73/Sqm					1234.00/-
	Item No 18 providing 18 mm thick Cement plaster in single coat with Cement mortar 1:4 to brick masonry including cost of materials, labour, curing complete as per specifications						
	on side plastering LL	2	3.50		3.00	21.00 Sqm	
	SW	2	3.50		3.00	13.00 -11-	
						34.00 Sqm	

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Measurement Book

Serial No. _____
Name of work _____ From _____ To _____
Name of Contractor of nature of Agency _____
Date of commencement of work _____

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Deductions Rolling Shutter ventilators	0.50	3.66		2.50	3.80 -11-	
		1	0.50		0.60	0.54 -11-	
						4.34 Sqm	
		Net qty	38.00 - 4.34			34.66 Sqm	Measured
		@Rs 222.60/Sqm -					7715.00/-
	Item No 14 providing 18 mm thick Cement plaster in single coat with Cement mortar 1:4 to brick masonry including cost of materials, labour, curing Complete as per specifications						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Inside plastering qty ~~as~~ vide Item No :-15						
						qty =) 34.66 Sqm as Measured.	
		@ Rs	332.66 / Sqm				7715.00/-
Item No: 15	providing time sanding for plastering to wall & ceiling, including cost of materials complete as per specifications.						
	qty vide Item No: 14						
						qty =) 34.66 Sqm	Measured.
		@ Rs	25.44 / Sqm				882.00/-
Item No: 16	providing & applying two coats with roll brush white-distemper of approved brand & shade on wall surface including priming coat						

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Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	cost of materials, labour complete as per Specifications						
	qty vide Item No - 14						
						qty =) 34.66 Sqm	Measured.
		@ Rs	69.56 / Sqm				2425.00/-
Item No:-17	providing white washing to new wall surface with two coats with lime of approved quality complete as per Specifications.						
	qty vide Item No:- 13						
						qty =) 34.66 Sqm	Measured.
		@ Rs	8.48 / Sqm				294.00/-

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No. 18 providing & applying enamel metal paint two coats over a two Steel & other metal Surface Brushing to give uniform shade after cleaning oil complete as per Specifications						
	Rolling Shutters	2.25×2	3.04		2.50	34.20 Sqm	
	ventilators	1×2	0.50		0.60	1.08	
						35.28 Sqm	Measurement
		@08	83.74	Sqm			2954.00/-
	Item No. 19 providing & fixing Electrical make glazed vitrified tiles of approved make quality & colour of Size 600×600×10 mm thick complete Including providing Spacers at required interval & removing stains etc. complete						
	floorin	1	3.50	3.00		10.50 Sqm	

M. A. R. 57 (Rule 116)
Measurement Book

No. D 67440

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	wall portion	2	3.50		1.20	8.40	
		2	3.00		1.20	7.20	
						26.10 Sqm	Measurement
		@ Rs	1216.88	/Sqm			31761.00/-
	Item No. 20 providing & laying / fixing cement base precast, pre polished cement concrete design mix tiles 25 mm thick conforming heavy duty tiles for flooring, treads Including cost of all materials fixing complete as per Specification						
		4	3.05		0.45	5.49 Sqm	
		@Rs 1116.18		/Sqm			6128.00/-
							Measurement

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No:- 21	providing & fixing in position ventilated Sal hung/sliding window using 2 angles of 25×35×3mm hanging 1.45 kg/m both for outer & inner frame & central mullion section of size 25×76×3mm weighing & furnishing with 100 coats of ready mix colour & doing machinery complete as per specifications						
		2	0.90		0.60	1.08 Sqm	Correct.
		@ rs	3511.76/ Sqm				4117.00/-
Item No: 22	providing T.M.T Steel reinforcement for RCC work including straightening cutting; bending hooking, placing in position, lapping & welding wherever required tying with binding wire & machinery complete as per specifications						

M. A. R. 57 (Rule 116) No. D
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

67441

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	city brought from the			page	A/c	67476/1	
					Qty =	0.150 tonne	Correct.
		@ rs	68513.10	Tonne			8425.00/-
Item No: 23	providing & fixing full & fresh type rolling shutters of approved make out of 18 guage 45mm wide cold rolled steel slats of convex corrugation with side guides & bottom rail with interlocking arrangements for steel work handles with all fittings & accessories painted with a coat of red lead paint. cost of materials Hom of machinery Complete as per specifications						

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	3.00		2.50	7.50 tonne	Carried
		@ Rs	2838.68/tonne				21290.00/-
Item No: 84	Cutting of road surface for fixing trenches & disposing of the excavated stuff as directed including chipping/scabbling cement concrete road.	1	10.00	0.60	0.30	1.80 Cum	Carried
		@ Rs	604.90/m				1088.00/-
Item No: 95	Earthwork excavation for foundation of buildings, water supply, sanitary lines & electrical conduits within foot path in trenches 1.5m & above in width in hard soil after breaking of clods complete as per specifications						

M. A. R. 57 (Rule 116)
Measurement Book

No. D

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

67412

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	< Stc / 09.11.2019	1	10.00	0.60	0.50	1.80 Cum	Carried
		@ Rs	283.05/cum				509.00/-
Item No: 96	providing & fixing in trenches galvanised/mild steel tubes 40mm dia nominal bore with all fittings Hoisting of equipments & testing complete as per specifications	1	10.00			10.00 mtr	Carried
		@ Rs	399.65/mtr				3996.00/-

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 27 Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depths compacting including complete as per Specifications						
						alty vide Item No: 25	
						alty = 1.82 cum	Carried
						@ Rs 76.34/cu	137.00/-
	Item No: 28. Providing & laying in position plain cement concrete of mix 1:4:8. with CPC Cement @ 180 Kgs with 40mm & down size graded granite metal coarse laid in layers curing complete as per specifications						
		1	10.00	0.60	0.10	0.60 cum	Carried
		@ Rs 4976.70/cu					2986.00/-

M. A. R. 57 (Rule 116)
Measurement Book
No. D

67443

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 29 providing & laying in position plain cement concrete of mix 1:2:4 with cement @ 340 Kgs with 20mm & down size graded granite metal coarse aggregates labour Hire of machinery curing complete as per specifications						
		1	10.00	0.60	0.10	0.60 cum	Carried
		@ Rs. ~~4976.70~~ 5389.04/cum					3233.00/-
							~~2986.00~~/-
	Item No: 30 Groove cutting in wall Supplying dia 25mm 2.5mm thick heavy gauge PVC conduit pipe with bends metal junction boxes adhesive paste etc & fixing with hooks fum through out the conduit where ever necessary.						

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